



# Espacenet

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### MULTIPLE OUTPUT CONVERTER

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### Abstract of JP 6319261 (A)

**PURPOSE:** To provide a multi-output converter with three or more output circuits, which is suitable for a reduced loss, the reduced number of components, miniaturization, high reliability and the lowering of a price. **CONSTITUTION:** Stabilized output voltage  $V_{o1}$  of a first output circuit 200, output voltage  $V_{o2}$  of a second output circuit 300 and output voltage  $V_{o3}$  of a third output circuit 400 are obtained from voltage  $V_i$  of a direct-current voltage supply 6. The output voltage  $V_{o1}$  is stabilized by a frequency modulation technique of a switching element 110, a resonance circuit 120, an error detecting circuit 600 and a modulation circuit 500. The output voltage  $V_{o2}$  is stabilized by a pulse modulation technique of the switching element 110, the error detecting circuit 600 and the modulation circuit 500. The output voltage  $V_{o3}$  is stabilized by controlling the resonance frequency of a variable resonance circuit 410 by a resonance frequency modulation circuit 430 on the basis of the error voltage of the output voltages.

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